

1. Identification of the Substance/Preparation and of the Company/Undertaking

Identification of the Product

Product Name: Zinc White in Walnut Oil
Article No.: 463007
Use of the Substance/Preparation: Artists' and Restoration Material

Company

Company: Kremer Pigmente GmbH & Co. KG
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2. Hazard Identification

GHS Classification: Hazardous to the aquatic environment, acute category 1
Hazardous to the aquatic environment, chronic category 1
Risk Phrases: R53 May cause long-term adverse effects in the aquatic environment.
R50 Very toxic to aquatic organisms.
Additional information: Materials impregnated with oil may spontaneously combust after a long induction period due to gradual exothermic reaction with oxygen.

3. Composition/Information on Ingredients

Chemical Characterization: Preparation made of walnut oil and zinc white.
Juglans regia (walnut) seed oil: CAS 8024-09-7, EINECS 273-313-5
Hazardous Ingredients: Zinc oxide (N; R50-53) 60-80 %
CAS-Nr: 1314-13-2 EINECS-Nr: 215-222-5 EC-Nr: 030-013-00-7

4. First Aid Measures

After inhalation: No special measures required.
After skin contact: This product is in general not irritating to the skin.
Wash with soap and rinse with plenty of water.
After eye contact: Rinse open eyes with plenty of water for at least 15 minutes.
After ingestion: No special measures required.
If symptoms persist consult physician.

5. Fire-Fighting Measures

Suitable extinguishing media: Foam, CO₂, dry extinguishing powder.
Unsuitable extinguishing media: Never apply a strong water jet.
Protective equipment: Use self-containing breathing apparatus.
Special hazards: Combustible material with low risk.
Contaminated rags or other easily ignited organic materials are spontaneously combustible.
In case of fire: formation of CO, CO₂ and fumes.
Further information: Cool exposed containers with water spray.

6. Accidental Release Measures

Personal precautions:	Floor may be slippery; use care to avoid falling. Keep away from sources of ignition. No smoking.
Environmental precautions:	Do not discharge into drains, surface or ground water. Keep spills and cleaning runoff out of municipal sewers and open bodies of water.
Methods of cleaning/absorption:	Contain with inert absorbent material (e.g. sand, acid binder, universal binder, sawdust) and collect in appropriate containers for disposal.

7. Handling and Storage

Handling

Instructions on safe handling:	Keep containers tightly closed.
Information on fire and explosion protection:	Self-ignition resp. auto-oxidation is possible.

Storage

Storage conditions:	Store in tightly sealed containers in a dry and cool room. Store out of direct sunlight.
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8. Exposure Controls/Personal Protection

Additional information about design of technical systems:	Provide adequate ventilation.
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Personal protective equipment

General protective measures:	Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of the shift.
Respiratory protection:	Not required.
Hand protection:	Not required
Eye protection:	Safety glasses with protective shields (EN 166).

9. Physical and Chemical Properties

Form:	paste
Color:	white
Odor:	characteristic
Boiling temperature:	> 350°C
Flash point:	> 326°C
Explosion risk:	not available
Density:	0.915 - 0.919 g/cm ³ (20°C)
Solubility in water:	insoluble
Solubility in solvents:	soluble in oil and alcohol
Viscosity kinematic:	not available
Further information:	The data is based on those of walnut oil.

10. Stability and Reactivity

Thermal decomposition/Conditions to be avoided: Stable at room temperature.
Can decompose at excessive heat.
Avoid heat, open fire and other ignition sources.

Substances to be avoided: Strong oxidizing agents.

11. Toxicological Information

Primary effects

Irritant effect on skin: Non irritating
Irritant effect on eyes: Slight irritant effect
Inhalation: Can cause irritation of the respiratory system.
Sensitization: No sensitizing effects known.
Carcinogenicity: Not carcinogenic.
Mutagenicity: No mutagenic effects observed.

12. Ecological Information

Mobility and Bioaccumulation: No information available.
Further ecological effects: No ecological data available.

Further information

Water hazard class: 2

13. Disposal Considerations

Product: Dispose of according to official national and local regulations.
Uncleaned packaging: Dispose of according to official local regulations.
Do not puncture, cut or weld uncleaned drums.

14. Transport Information

Road Transportation ADR/RID

Class: 9
Packaging group: III
UN No.: 3082
Classification code: M6
Tunnel No.: E
Hazard No.: 9
Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc Oxide)

Sea transportation

IMDG/GGVSee Class: 9
Packaging group: III
UN No.: 3082
Hazard No.: 9
Marine pollutant: P
Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc Oxide)

Air transportation

ICAO/IATA Class: 9
Packaging group: III
UN No.: 3082
Hazard No.: 9
Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (Zinc Oxide)

15. Regulatory Information

Designation according to GHS guidelines: Environmentally hazardous
Hazard designation: H410 Very toxic to aquatic life with long lasting effects.
Safety designation: P273 Avoid release to the environment.
Designation according to EC Guidelines: The material is subject to classification according to EC lists.

Hazard designation:



N Hazardous to the environment

Risk Phrases:

R50 Very toxic to aquatic organisms.
R53 May cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

Water hazard class:

2, hazardous for water

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations.

This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.